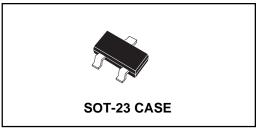
查询CMPTH10供应商

CMPTH10

NPN SILICON RF TRANSISTOR





DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMPTH10 type is an NPN silicon RF transistor manufactured by the epitaxial planar process, epoxy molded in a surface mount package, designed for low noise UHF/VHF amplifier and high output oscillator applications.

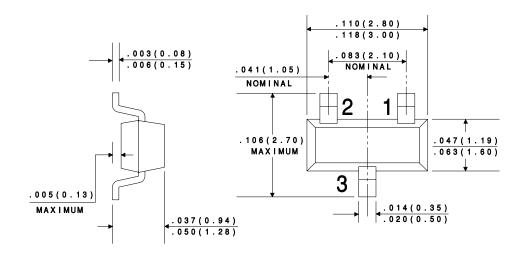
Marking code is C3E.

MAXIMUM RATINGS (T_A=25°C)

	SYMBOL		UNITS
Collector-Base Voltage	V _{CBO}	30	V
Collector-Emitter Voltage	VCEO	25	V
Emitter-Base Voltage	VEBO	3.0	V
Power Dissipation	P_{D}	350	mW
Operating and Storage			
Junction Temperature	T _J ,T _{stg}	-65 to +150	°C
Thermal Resistance	$\Theta_{\sf JA}$	357	oC/W

ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
ICBO	V _{CB} =25V		100	nA
I _{EBO}	V _{EB} =2.0V		100	nA
BV _{CBO}	I _C =100μA	30		V
BVCEO	I _C =1.0mA	25		V
BVEBO	I _E =10μA	3.0		V
VCE(SAT)	I _C =4.0mA, I _B =0.4mA		0.50	V
VBE(ON)	V _{CE} =10V, I _B =4.0mA		0.95	V
h _{FE} `´	$V_{CE}=10V$, $I_{C}=4.0mA$	60		
f _T	V_{CE} =10V, I_{C} =4.0mA, f=100MHz	650		MHz
C_{cb}	V_{CB} =10V, I_{E} =0, f =1.0MHz		0.70	pF
C _{rb}	V_{CB} =10V, I_{E} =0, f =1.0MHz		0.65	pF
rb'C _C	V_{CB} =10V, I_{C} =4.0mA, f=31.8MHz		9.0	ps



LEAD CODE:

- 1) BASE
- 2) EMITTER
- 3) COLLECTOR